

Claim Listing

Claims 1-14 (Cancelled).

Claim ~~15~~ 1. A polyclonal antibody specific for a phosphorylated linker region in Smad2, obtained from antiserum raised by immunizing a mammal with a phosphorylated product of a peptide including an amino acid sequence in the linker region of Smad2, wherein the phosphorylated product of a peptide including the amino acid sequence in the linker region of Smad2 for the immunization is: Pro Ala Glu Leu p-Ser Pro Thr Thr Leu p-Ser Pro Val Asn His Ser (SEQ ID NO: 1) wherein p-Ser represents phosphorylated serine.

Claim ~~16~~ 2. A polyclonal antibody specific for a phosphorylated linker region in Smad3, obtained from antiserum raised by immunizing a mammal with a phosphorylated product of a peptide including an amino acid sequence in the linker region of Smad3, wherein the phosphorylated product of a peptide including the amino acid sequence of the linker region of Smad3 for the immunization is: Ala Gly Ser Pro Asn Leu p-Ser Pro Asn Pro Met p-Ser Pro Ala (SEQ ID NO 2) wherein p-Ser represents phosphorylated serine.

Claim ~~17~~ 3. The polyclonal antibody according to claims ~~15 or 16~~ 1 or 2, wherein the mammal is a rabbit.

Claim ~~18~~ 4. The polyclonal antibody according to claims ~~15 or 16~~ 1 or 2, wherein the raised antiserum is affinity purified with a phosphorylated peptide(s).